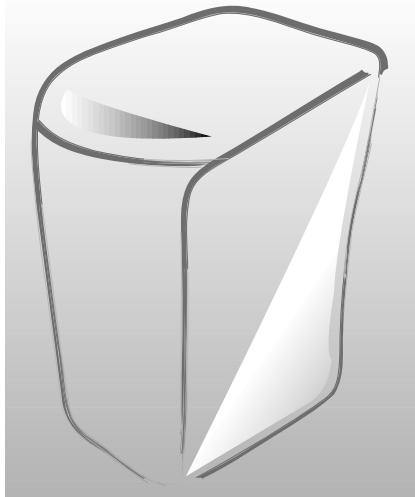


SAMSUNG

WASHING MACHINE

User's Manual



Please read this manual before using and note how to use in the proper manner.

Please be careful of keeping the manual.

Otherwise, it should be bought separately.

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SPECIFICATIONS	

The User's Manual is for common use.

Make use of the User's Manual depending upon your washing machine model.

FEATURES

FUZZY CONTROL

- Fuzzy control operates with best washing course by sensing the washload like artificial intelligence.

TRANSPARENT WINDOW

option

- This Transparent Window is the new concept to solve the curiosity of users to see inside of washing machine while operation. While operation, the laundry progress inside of washing machine can be checked by looking through the transparent window.

PULSATOR

option

- The Pulsator helps water and detergent to go through fabrics efficiently while providing both the powerful water action to clean larger and heavier clothes and the gentle water action to clean all delicates with less wear and tear on clothes.

WATERFALL FLOW

- The Waterfall Flow injected from under the pulsator cascades with full force back into the tub, pushing down any clothes that float right under the water surface. It is this Waterfall Flow that enables this washing machine to effectively wash large and heavy items, such as bluejeans and blankets.

MAGIC FILTER

- This unique magic Filter ensures that all the lint inside the tub is captured for top quality filtering results to deliver consistently effective cleaning results.

SOFTEENER DISPENSER

- The Softener Dispenser releases the fabric softener at the appropriate time when the last rinsing proceeds.

SAFETY INSTRUCTIONS

Please note that the following precautions for safety intend to prevent unpredictable danger and damage by helping the proper use in safety.

When using hot water in washing, please make sure that the water should not exceed 50°C.

- Plastic parts may be deformed or damaged, and an electric shock or a fire may take place.

WARNING

There might be serious injury or fatal accident when you violate this instruction.

If the power supply cord or plug is damaged or loosened, do not use.

- An electric shock or a fire may take place.

Do not pull the cord off or touch it with moist hands.

- An electric shock or a fire may take place.

Do not bend the power supply cord by force or press it with heavy things.

- An electric shock or a fire may take place.

Do not install the washer nearby electric implement or don't put a candle light or cigarette light on the washer.

- A fire may take place.

Do not disassemble, repair or remodel it recklessly.

- When you need to repair it, please call service agent. An electric shock or a fire may take place.

During operation, do not put your hands or metal materials under the washer.

- You may be hurt by spinning board beneath the washer.

Stay away from the washer when the bottom of the washer sinks into the water.

- There might be an electric shock. Please wait until the water drains out completely.

Do not put laundry stained with gasoline, benzene, or alcohol in the washer, and keep the materials away from the washer.

- An explosion or a fire may take place.

During spinning, don't put your hand in the spinning tub.

- It may hurt your hands. If it does not stop within 15 seconds after you open the lid, call service agent immediately.

CAUTIONS

There might be a slight injury or damage when you violate this instruction.

Don't install it in the area with moisture or outdoor where it has rain or snow

- An electric shock or a fire may take place.

Please unplug the power supply cord when you do not use it.

- An electric shock or a fire may take place.

If there is dust or water on the power supply plug and its connected part, please remove it completely.

- An electric shock or a fire may take place.

Do not make your kids look into the inside of the washer.

- If your kid falls into the washer, his life could be in danger.

Ventilate immediately without touching the power plug if gas is leaking.

- An electric shock or a fire may take place if it catches flame.

If the washer makes strange noise, smell or smoke, unplug it promptly and call service agent.

- An electric shock or a fire may take place.

When cleaning, don't spray water to the parts of the washer directly.

- It may make its life span shorten.
Also an electric shock or fire may take place

Don't use several appliances together with an outlet.

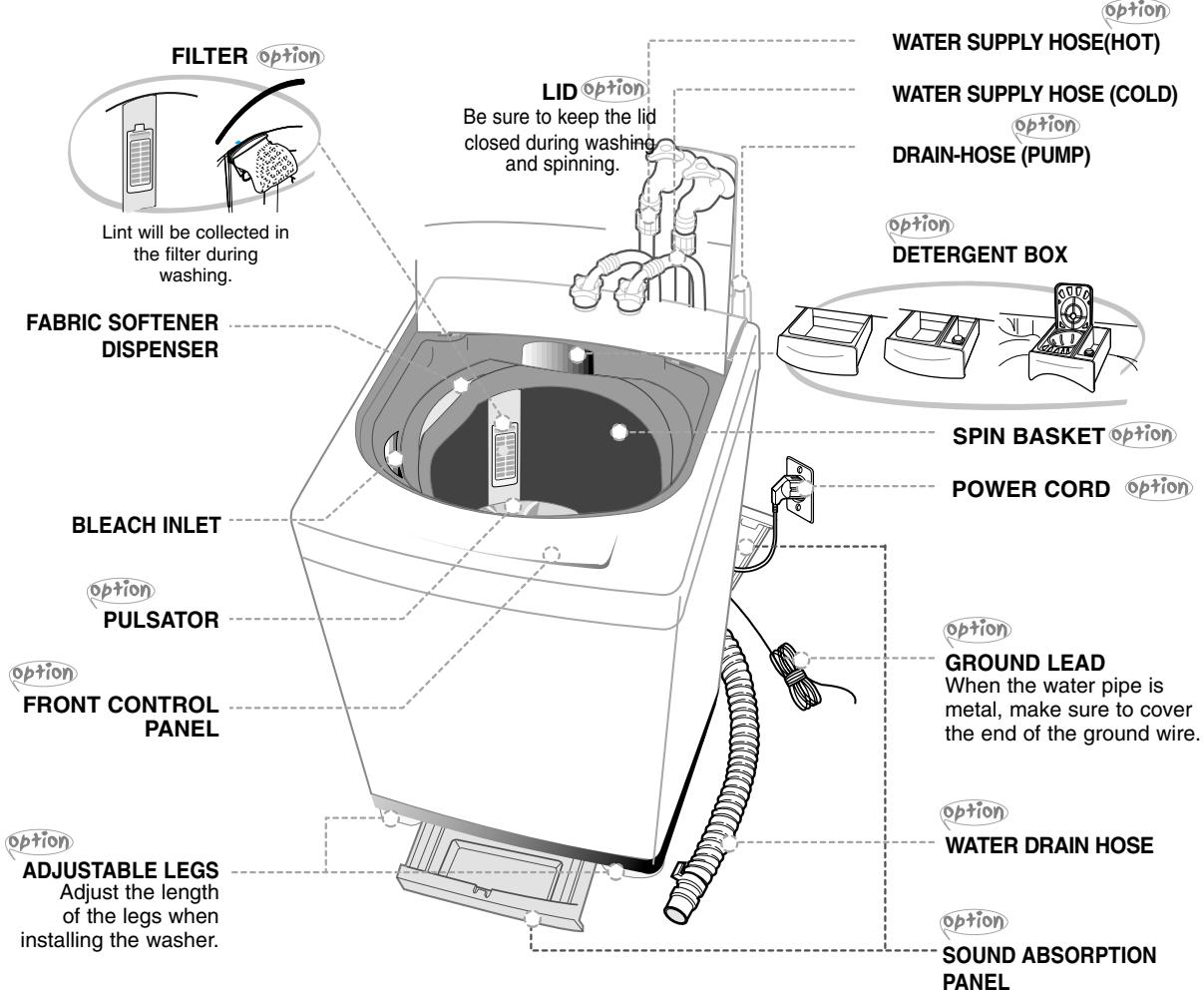
- A fire may take place due to unusual heat.

Don't press the button with an awl or pin.

- An electric shock or a fire may take place.

DESCRIPTION OF PARTS

*The User's Manual is for common use.
Make use of the User's Manual depending upon your washing machine model.*



FRONT CONTROL PANEL & BUTTONS

For more details, see control panel of your washing machine.

➤ POWER BUTTON



- Press this button to turn the power on/off.
- The power is automatically turned off after washing or if not disturbed for 10 minutes.

➤ START/ HOLD BUTTON



- Select this button when you are about to start washing or wish to pause.

➤ COURSE BUTTON



- Choose the course according to the types and status of laundry.
- For further details about each course, please refer to pages 11~16.

➤ SPIN BUTTON



- Use this function when you want to spin only or adjust the spinning time. (1~9 min.)
- Select "1 min. Spin" when you want to prevent wrinkles during the spin.
- When you select "Spin" only, there will be a difference between the spinning time and the remaining time. This is because the remaining time includes the draining and holding time as well as the actual spinning time.

➤ SOAK BUTTON



- Use this function when you want to perform soak washing.
- This function will not be selected in the water cleaning course.

➤ WASH BUTTON



- Select this function when you want to wash only or adjust the washing time. (6~30 min.)

➤ RINSE BUTTON



- Select this function when you want to rinse only or change the number of times on rinsing. (Max. 5 times)

➤ WATER LEVEL BUTTON



- Water level is automatically indicated, but you can select the water level by pressing this button if you want it otherwise.

➤ WATER SUPPLY BUTTON



- Use this function when choosing between cold or hot water.

➤ DELAY START BUTTON



- Use this function when you would like to finish washing at the time you want.
- Turn the power off in order to cancel the set time.

➤ LEVEL METER

- Adjusts the water inflow to the center by turning the adjustable legs.

❖ WATER LEVEL/DETERGENT INDICATOR

- According to the amount of laundry, amount of detergent and water level are automatically indicated in proportion.
- Indicates the water level in 10 grades.

❖ TIME LEFT/DELAY START/ERROR SIGN INDICATOR

- Indicates the time left to the end of washing.
- Indicates the lapsed time.
- If anything should go wrong, it indicates error messages in different circumstances, allowing you to rectify the problem.

❖ PROCEDURE INDICATOR

- Indicates the stage of washing.
- The next stage is lightened up when it is done with the current procedure, and the one finished is automatically turned off. It flickers during the procedure.

HOW TO PERFORM THE AUTOMATIC WASHING

➤ FUZZY COURSE



1. Put the laundry into the washing machine and press **POWER** button.
2. Press **START/HOLD** button.
 - After spinning its washing board without water, your machine measures the weight of the laundry and indicates adequate amount of water and detergent.
3. Open the lid to add the detergent/rinse in proportion to the water level indicated, and then close the lid.

NOTE

- When you open the lid during operation, the machine will stop for your safety. (Except during water supply.)
- If you chose hot water only, cold water will be supplied for the first 20 seconds to prevent the hot water from damaging the laundry.
- You can adjust washing time, number of rinsing and spinning time at any stage during the operation.

➤ HEAVY COURSE

(For jeans or heavily soiled laundry)



1. Put the laundry in the washing machine and press **POWER** button.
2. Select **HEAVY** course by pressing **COURSE** button.
3. Press **START/HOLD** button.
Add the detergent/rinse in proportion to the water level and then close the lid.

➤ BLANKET COURSE

(For big laundry such as quilts or bedcovers)



1. Put the laundry in the washing machine and press **POWER** button.
 - As shown in the figure below, fold the laundry of great bulk such as quilts or bedcovers before putting in the washing machine.
 - Do not wash electric blankets or carpets in your machine.
 - In cases where you wash the light yet bulky laundry(e.g. cashmere, etc.), it is recommended that you wash in the laundry net that can be purchased separately.
2. Select **BLANKET** course by pressing **COURSE** button.
3. Press **START/HOLD** button.
Add the detergent/rinse in proportion to the water level and then close the lid.

NOTE

- The following quilts with hand washing mark are washable in your machine:
 - Acryl Blankets (acryl 100%, nylon coating);
 - Mixed Blankets (cotton polyester); Woolen Blankets and Quilt Linings (polyester 100%, below 200(250cm)
 - Blankets (5kg or less);
 - Quilt Linings (2kg, 3.5kg in total weight)

➤ SPEEDY COURSE

(In cases where you want to wash lightly soiled laundry such as towels in a short time)



1. Put the laundry into the washing machine and press **POWER** button.
2. Select **SPEEDY** course by pressing **COURSE** button.
3. Press **START/HOLD** button.
Add the detergent/rinse in proportion to the water level and then close the lid.

➤ WOOL COURSE

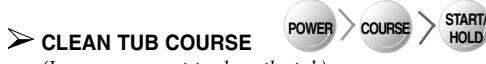
(For the laundry with wool washing mark such as sweaters, cardigans or delicate clothes)



1. Put the laundry into the washing machine and press **POWER** button.
 - Be sure the weight of the laundry is less than 2kg.
2. Select **WOOL** course by pressing **COURSE** button.
 - In case where you wash the bulky yet light laundry, it is recommended that you adjust water level properly (only over the middle of water level, the water level is indicated).
3. Press **START/HOLD** button.
Add the detergent/rinse in proportion to the water level and then close the lid.
 - Spin-dry the laundry only for a short period at the end to avoid wrinkles.
 - Cold water should only be selected.
 - It is highly recommended that you use neutral detergent.

NOTE

- You can select hot/cold water by pressing **WATER SUPPLY** button in all courses, except for wool course, where cold water should be selected only.



➤ CLEAN TUB COURSE

(In case you want to clean the tub)

1. Press **POWER** button.
2. Select **CLEAN TUB** course by pressing **COURSE** button.
3. Press **START/HOLD** button.

Add the detergent/rinse in proportion to the water level and then close the lid.

- Soak washing function is adopted.
- WATER SUPPLY button only is controllable.
- Remove the dirt on the outer wall of the washing tub with a form of powerful stream of water.

● If the detergent is added directly onto the laundry, it may cause discoloration as the delay gets longer.

- Press **POWER** button in order to cancel this function.
- The delay could be finished at slightly different time according to the water pressure.



➤ SOAK COURSE

(In case you want to perform soak washing for heavily soiled laundry)

1. Put the laundry into the washer and press **POWER** button.
2. Select a course you want by pressing **COURSE** button.
 - Select hot or cold water by pressing **WATER SUPPLY** button.
3. Press **SOAK** button.
 - You can't select SOAK function during the WATER stage.
4. Press **START/HOLD** button.

Add the detergent/rinse in proportion to the water level and then close the lid.

- In this course, your machine repeats 1-minute operations and 4-minute pauses (soaking) until the start of washing.

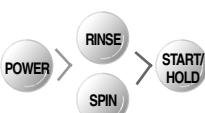


1. Put the laundry into the washer and press **POWER** button.
 - Make sure to leave the taps open.
2. Press **DELAY START** button.
 - 1) You can select from 3 hours, up to maximum of 19 hours in increment of one hour.
 - 2) At the end of the selected time, your machine will have finished washing.
 - You can choose a course as you wish.
3. Press **START/HOLD** button.
 - Add the detergent/rinse in proportion to the water level and then close the lid.
 - Make sure to add the detergent into the liquid soap device.

MANUAL FUNCTIONS

You can choose each course manually.

Ex) If you want to wash in the SPEEDY course, you should select "POWER-SPEEDY COURSE-WASH-START/HOLD"

WASH ONLY 	<ol style="list-style-type: none">1. Press POWER button.2. Select WASH.<ul style="list-style-type: none">● Adjust the washing time by pressing WASH button● You can adjust the washing time by unit of 2 minutes within the limits of 8 to 30 min.● Soak washing is available.3. Press START/HOLD button.<ul style="list-style-type: none">● Close the lid.	Note <ul style="list-style-type: none">● The water will still remain after wash. Select SPIN only to drain water.● Despite the water level is automatically set up, you would need to select the adequate water level according to the laundry.● In the wool course, you can adjust washing time by units of 2 minutes within the limits of 1 to 15 min.
RINSE ONLY 	<ol style="list-style-type: none">1. Press POWER button.2. Select RINSE.<ul style="list-style-type: none">● Select a rinsing frequency by pressing RINSE button.● You can adjust the frequency from 1 to 5 min.3. Press START/HOLD button.<ul style="list-style-type: none">● Close the lid.	Note <ul style="list-style-type: none">● The water will still remain after rinse. Select SPIN only to drain water.● Despite the water level is automatically set up, you would need to select the adequate water level in case the laundry is soaked.
SPIN ONLY 	<ol style="list-style-type: none">1. Press POWER button.2. Select SPIN.<ul style="list-style-type: none">● Select the spinning time by pressing SPIN button.● You can adjust the time from 1 to 9 min.● If you select 1 min., your machine spin-dries the laundry slightly to avoid wrinkles.3. Press START/HOLD button.<ul style="list-style-type: none">● Close the lid.	Note <ul style="list-style-type: none">● If you select SPIN only, there will be a difference between the spinning time and the remaining time. This is because the remaining time includes the draining and holding time as well as the actual spinning time. So, note that it does not mean it is "out of order".
WASH + RINSE 	<ol style="list-style-type: none">1. Press POWER button.2. Select WASH and RINSE.<ul style="list-style-type: none">● Please adjust the washing time and number of rinsing.3. Press START/HOLD button.<ul style="list-style-type: none">● Close the lid.	Note <ul style="list-style-type: none">● The water will still remain after rinse. Select RISE only to drain water.
RINSE + SPIN 	<ol style="list-style-type: none">1. Press POWER button.2. Select RINSE and SPIN.<ul style="list-style-type: none">● Please adjust the number of rinsing and spinning time.3. Press START/HOLD button.<ul style="list-style-type: none">● Close the lid.	

INSTALLATION & MAINTENANCE

The User's Manual is for common use.

Make use of the User's Manual depending upon your washing machine model.

ENVIRONMENT

Leave some space

Maintain at least 10cm between the washer and the wall.

Place the washer on a sturdy flat surface.

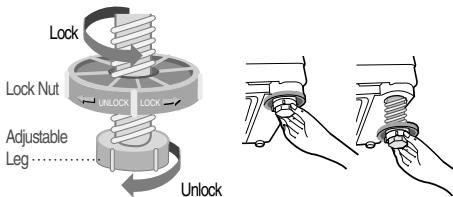
If the washer is placed on an uneven or weak surface, noise or vibration occurs. (Allowable is 1°)

Adjust the legs for even placement.

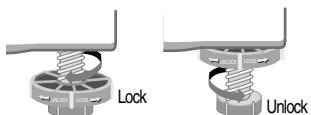
option

- **LEVELLING** ● If the washer is not leveled with the ground, it makes the machine tremble more or be out of order.
(Type A) So, make sure that the washer is leveled properly.

- Adjust the height control legs to make eve.



- After slightly lifting up the machine, rotate the adjustable leg counter-clockwise and pull as much as need to adjust the reight.
- After putting down the machine after adjustment.



- Adjust the height and secure.
- Secure the lock nut by rotating it firmly.
- If the lock nut is not secured, the adjustable leg may be released.

Never install the washer near water.

Do not place the washer in steamy rooms or where the washer is directly exposed to rain. Moisture may destroy the electrical insulation causing an electrical shock hazard.

Avoid direct sunlight or heaters.

As plastic and electrical components are affected by direct heat, never place the washer near furnaces, boilers, etc. Do not place under direct sunlight.

Adjustment of height

If not leveled, adjust the legs to level the washer.

- Be careful not to put in your hand under the legs. (It may cause some injury)



Pull the handles located at the right and left of the front side and slide off.



Adjust the water drop mark to be in the red circle pulling back the machine slightly, and then, push it with a feet to fix.



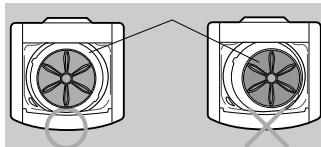
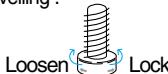
Fix the handles by hand completely.

Waterdrop mark	Cause	How to level
	The front part is lower	Level it by adjustable legs.
	The back part is lower	Adjust the height by using the adjustable rubber or prop at the back.
	The left part is lower	Adjust the left part by using the adjustable legs at the front and the adjustable rubber at the back.
	The right part is lower	Adjust the right part of the washer by using the adjustable leg at the front and the adjustable rubber at the back.

➤ LEVELLING (Type B) option

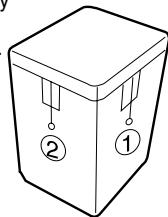
SEE IF THE MACHINE IS PLACED LEVEL BY CHECKING THE POSITION OF THE WASHING TUB.

- Open the lid of the machine, pour water into the tub up to the level just below the pulsator, and adjust the legs so that the pulsator is positioned at the center of the water as shown in the figure.
- Place the machine more than 10cm away from the wall.
- Adjust the legs on feet for levelling .



1. Adjust the side horizontally first and the front in same direction ② next.

2. If the thread is not within the limit, adjust the height of the legs.



➤ CONNECTING THE WATER SUPPLY HOSE

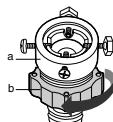
1. Remove the adaptor from the water supply hose.



option

5. Connect the other end of the water supply hose to the inlet water valve at the back of the washer. Screw the hose clockwise all the way in.

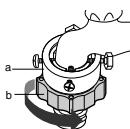
2. First, using a "+" type screw driver, loosen the four screws on the adaptor. Next, take the adaptor and turn part (b) following the arrow for gap about 5mm between them.



option

- 5-1. Connect the other end of the water supply hose to the inlet water valve at the top of the washer. Screw the hose clockwise all the way in.

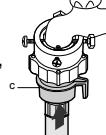
3. Connect adaptor to the water tap by tightening the screws firmly. Then, turn part (b) following the arrow and put (a) and (b) together.



option

- If the water tap is a screw type, assemble a water supply hose that fits to the tap as shown.

4. Connect the water supply hose to the adaptor. Pull down the part (c) of the water supply hose. When the part (c) is released, the hose is automatically connected to the adaptor making a 'click' sound.

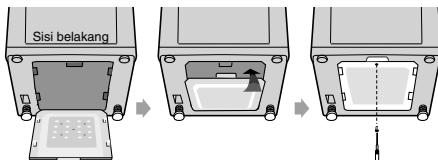


NOTICE After completing connection, if water leaks from the hose, then repeat the same steps.

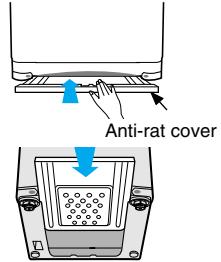
Use the most conventional type of faucet for water supply. In case the faucet is square or too big, remove the spacing ring before inserting the faucet into the adaptor.

➤ ASSEMBLING THE RAT PROTECTION PANEL option

Tilt the washer a little and lift up the panel until it clicks, finally fix the panel with screw to the base as shown in the figure.



1. Insert the sound absorbing panel to the assembling hole on front side to the end.



2. If you have difficulty inserting the panel lift up the washer a little and insert it

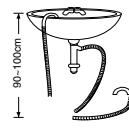
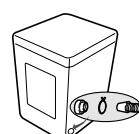
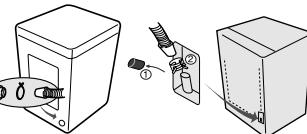
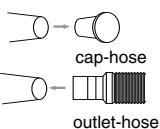
➤ IN CASE OF PUMP-DRAINED WASHER option

Take out the cap-hose and connect the outlet-hose.

Be sure to join tightly the drain hose into the drain-outlet on the back of the machine.

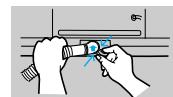
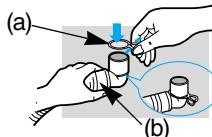
Be sure to join tightly the drain hose into the drain-outlet on the side of the machine.

Install the drain hose in the position of about 90~100cm above the ground.



➤ CONNECTING THE DRAIN HOSE option

After pressing the joint ring(a), insert the drain hose(b) to drain direction.



➤ HOW TO ADD THE FABRIC SOFTENER option

- When a proper amount (one time does) of fabric softener is stored in the softener inlet, it is automatically put in at the last rinsing cycle.
- Do not use detergent, bleach or starch into the Softener Inlet.
- Using too much softener may produce unsatisfactory results.

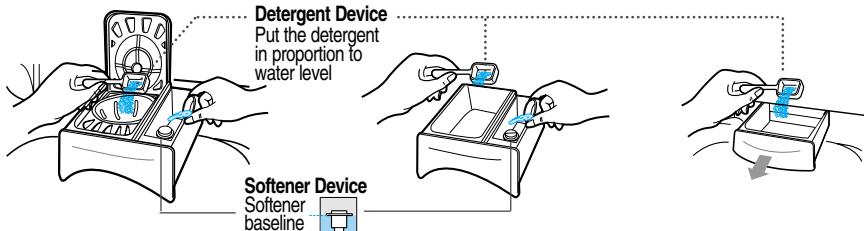
- Do not open the lid during the Spin Dry cycle. If added too early, its effectiveness will decrease.
- Do not leave the softener into the Softener Dispenser for a long time. Because softner became stiff.



➤ HOW TO PUT THE DETERGENT IN option

1. Open the detergent box by pulling in the direction of the arrow as shown in the figure and then put the powder detergent in the detergent box.

2. Put in one-time amount of detergent evenly so the detergent may not brim over the box.



CAUTION : If softener is stored over the above base line, it may flow down at any time.

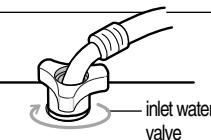
➤ WATER SUPPLY CONNECTOR FILTER



1. Pull out the filter and wash well.

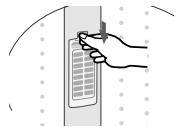


2. Pull in the filter and connect the hose to the inlet water valve tightly.

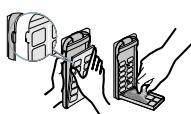


3. Check if there is a leakage. Note to tighten up the connector.

➤ CLEANING THE FILTER NET option



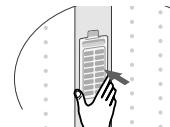
1. Push the upper part of the filter and pull in.



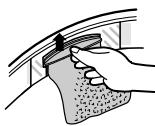
2. Open the cover as shown in the figure.



3. Clean the filter.



4. Close the cover and insert the lower part of the filter in the basket first and then push the filter with "click" sound .



1. Push up and pull out the filter net.



2. Remove the collected lint from the filter net.



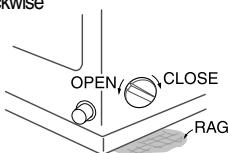
3. Clean the filter.



4. Pull down the filter net.

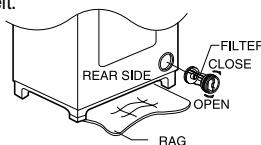
➤ HOW TO CLEAN THE FILTER option

1. Place a rag under the washer filter not to wet the floor.
2. Rotate the filter counter-clockwise and pull out the filter.
3. Remove dirts and rotate the filter clockwise until it locks in position.



(pump drained washer)

1. Place a rag under washer filter not to wet the floor.
2. Turn the filter-cap to the left.
3. Take the filter out and remove dirts.
4. Reassemble in reverse order.



TROUBLESHOOTING

➤ WASHING MACHINE WON'T WORK

- Is the water tap opened?
- Is the washer plugged in?
- Is the power cut off?
- Is there enough water?



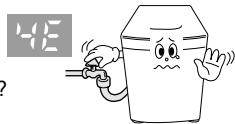
➤ CHECK YOUR VOLTAGE

Call to service center or agency.



➤ WATER IS NOT SUPPLIED

- Is the water tap opened?
- Is the water cut off?
- Is the water supply hose or hose connection clogged?
- Is the water tap frozen?



If water is not supplied in 1 hour, a buzzer will sound, and the remaining time indicator will show "4E".

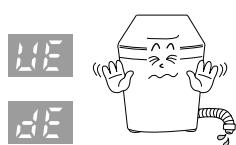
➤ WATER DOSE NOT DRAIN

- Is the drain hose down?(No pump)
 - Is the drain hose frozen?
 - Is the drain hose clogged?
- If the water dose not drain in 15 minutes, a buzzer will sound, and the remaining time indicator will show "5E".*



➤ SPINNING DOES NOT WORK

- Is the laundry spread out evenly in the washer?
- Is the washer set on a sturdy flat surface?



IN CASE THE NEED FOR SERVICING ARISES.

If any problem occurs with your products, do not hesitate to call any nearby.
Name, address, telephone number is required.



SPECIFICATIONS

WASHING CAPACITY	-	STANDARD WATER LEVEL	MIXIMUM	90 l
POWER CONSUMPTION	WASH		HIGH	73 l
	550W		MEDIUM	63 l
DIMENSIONS(mm)	W640xD698xH1020		LOW	48 l
			EXTRA LOW	38 l
WEIGHT	46 kg		LOWEST	28 l
WATER PRESSURE	0.05~0.78 MPa (0.5 ~ 8.0 kg · f/cm ²)	WATER USAGE		230 l
WASHING TYPE	Stirring Type	PULSATR ROTATING SPEED		105 rpm
		SPINNING TUB ROTATING SPEED		710 rpm

CODE NO. : DC68-01174A